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LOGINID:ssptayvv1621

PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * * * * * * Welcome to STN International * * * * * * * * * *

NEWS 1		Web Page for STN Seminar Schedule - N. America
NEWS 2	JAN 02	STN pricing information for 2008 now available
NEWS 3	JAN 16	CAS patent coverage enhanced to include exemplified prophetic substances
NEWS 4	JAN 28	USPATFULL, USPAT2, and USPATOLD enhanced with new custom IPC display formats
NEWS 5	JAN 28	MARPAT searching enhanced
NEWS 6	JAN 28	USGENE now provides USPTO sequence data within 3 days of publication
NEWS 7	JAN 28	TOXCENTER enhanced with reloaded MEDLINE segment
NEWS 8	JAN 28	MEDLINE and LMEDLINE reloaded with enhancements
NEWS 9	FEB 08	STN Express, Version 8.3, now available
NEWS 10	FEB 20	PCI now available as a replacement to DPCI
NEWS 11	FEB 25	IFIREF reloaded with enhancements
NEWS 12	FEB 25	IMSPRODUCT reloaded with enhancements
NEWS 13	FEB 29	WPINDEX/WPIDS/WPIX enhanced with ECLA and current U.S. National Patent Classification
NEWS 14	MAR 31	IFICDB, IFIPAT, and IFIUDB enhanced with new custom IPC display formats
NEWS 15	MAR 31	CAS REGISTRY enhanced with additional experimental spectra
NEWS 16	MAR 31	CA/CAplus and CASREACT patent number format for U.S. applications updated
NEWS 17	MAR 31	LPCI now available as a replacement to LDPCI
NEWS 18	MAR 31	EMBASE, EMBAL, and LEMBASE reloaded with enhancements
NEWS 19	APR 04	STN AnaVist, Version 1, to be discontinued
NEWS 20	APR 15	WPIDS, WPINDEX, and WPIX enhanced with new predefined hit display formats
NEWS 21	APR 28	EMBASE Controlled Term thesaurus enhanced
NEWS 22	APR 28	IMSRESEARCH reloaded with enhancements

NEWS EXPRESS FEBRUARY 08 CURRENT WINDOWS VERSION IS V8.3,
AND CURRENT DISCOVER FILE IS DATED 20 FEBRUARY 2008

NEWS HOURS	STN Operating Hours Plus Help Desk Availability
NEWS LOGIN	Welcome Banner and News Items
NEWS IPC8	For general information regarding STN implementation of IPC 8

Enter NEWS followed by the item number or name to see news on that specific topic.

```
* * * * * * * * * * * * * * * * STN  Columbus  * * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 11:44:32 ON 30 APR 2008

=> file reg
COST IN U.S. DOLLARS                                    SINCE FILE      TOTAL
                                                           ENTRY    SESSION
FULL ESTIMATED COST                                         0.21       0.21

FILE 'REGISTRY' ENTERED AT 11:44:53 ON 30 APR 2008
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STRUCTURE FILE UPDATES:   29 APR 2008  HIGHEST RN 1018438-06-6
DICTIONARY FILE UPDATES:  29 APR 2008  HIGHEST RN 1018438-06-6

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TSCA INFORMATION NOW CURRENT THROUGH January 9, 2008.

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http://www.cas.org/support/stngen/stndoc/properties.html

=>
Uploading C:\Program Files\Stnexp\Queries\10510242-RCE-1.str

L1      STRUCTURE UPLOADED

=> d l1
L1 HAS NO ANSWERS
L1              STR

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY -  AVAILABLE VIA OFFLINE PRINT *

Structure attributes must be viewed using STN Express query preparation.


=> s l1
SAMPLE SEARCH INITIATED 11:45:18 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -   657483 TO ITERATE

  0.3% PROCESSED     2000 ITERATIONS                                 1 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **INCOMPLETE**
                        BATCH   **INCOMPLETE**
PROJECTED ITERATIONS:     13104482 TO 13194838
PROJECTED ANSWERS:            5487 TO     7661

L2            1 SEA SSS SAM L1
```

```
=> s l1 full
FULL SEARCH INITIATED 11:45:22 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 13144474 TO ITERATE

  1.7% PROCESSED   228452 ITERATIONS                          3 ANSWERS

  3.5% PROCESSED   465685 ITERATIONS                         19 ANSWERS

  5.5% PROCESSED   726769 ITERATIONS                         48 ANSWERS

  7.2% PROCESSED   945653 ITERATIONS                         53 ANSWERS

  7.6% PROCESSED  1000000 ITERATIONS                         54 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.01.15

FULL FILE PROJECTIONS:  ONLINE  **INCOMPLETE**
                        BATCH   **INCOMPLETE**
PROJECTED ITERATIONS:     13144474 TO 13144474
PROJECTED ANSWERS:            630 TO      788

L3           54 SEA SSS FUL L1

=> file caplus
COST IN U.S. DOLLARS                            SINCE FILE      TOTAL
                                                   ENTRY    SESSION
FULL ESTIMATED COST                                179.28     179.49

FILE 'CAPLUS' ENTERED AT 11:46:56 ON 30 APR 2008
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FILE COVERS 1907 - 30 Apr 2008  VOL 148 ISS 18
FILE LAST UPDATED: 29 Apr 2008  (20080429/ED)

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They are available for your review at:

http://www.cas.org/infopolicy.html

=> s l3
L4            7 L3

=> s l4 not py > 2003
       5660884 PY > 2003
L5            0 L4 NOT PY > 2003

=> file reg
COST IN U.S. DOLLARS                            SINCE FILE      TOTAL
                                                   ENTRY    SESSION
FULL ESTIMATED COST                                  4.04     183.53
```

```
FILE 'REGISTRY' ENTERED AT 11:49:35 ON 30 APR 2008
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STRUCTURE FILE UPDATES:   29 APR 2008  HIGHEST RN 1018438-06-6
DICTIONARY FILE UPDATES:  29 APR 2008  HIGHEST RN 1018438-06-6

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TSCA INFORMATION NOW CURRENT THROUGH January 9, 2008.

  Please note that search-term pricing does apply when
  conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document.  For information
on property searching in REGISTRY, refer to:

http://www.cas.org/support/stngen/stndoc/properties.html

=>
Uploading C:\Program Files\Stnexp\Queries\10510242-RCE-claim2,14.str

L6      STRUCTURE UPLOADED

=> s l6
SAMPLE SEARCH INITIATED 11:49:55 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -   657468 TO ITERATE

  0.3% PROCESSED     2000 ITERATIONS                                 0 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **INCOMPLETE**
                        BATCH   **INCOMPLETE**
PROJECTED ITERATIONS:     13104182 TO 13194538
PROJECTED ANSWERS:            0 TO        0

L7            0 SEA SSS SAM L6

=> s l6 full
FULL SEARCH INITIATED 11:50:01 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 13144151 TO ITERATE

  1.7% PROCESSED   225856 ITERATIONS                                1 ANSWERS

  3.4% PROCESSED   447820 ITERATIONS                                4 ANSWERS

  5.1% PROCESSED   668245 ITERATIONS                                4 ANSWERS

  7.2% PROCESSED   950021 ITERATIONS                               16 ANSWERS

  7.6% PROCESSED  1000000 ITERATIONS                               17 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.01.15

FULL FILE PROJECTIONS:  ONLINE  **INCOMPLETE**
```

```
                        BATCH   **INCOMPLETE**
PROJECTED ITERATIONS:     13144151 TO 13144151
PROJECTED ANSWERS:            179 TO      267

L8           17 SEA SSS FUL L6

=> file caplus
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                       ENTRY    SESSION
FULL ESTIMATED COST                                   179.28     362.81

FILE 'CAPLUS' ENTERED AT 11:51:22 ON 30 APR 2008
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FILE COVERS 1907 - 30 Apr 2008  VOL 148 ISS 18
FILE LAST UPDATED: 29 Apr 2008  (20080429/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply.
They are available for your review at:

http://www.cas.org/infopolicy.html

=> s l8
L9            2 L8

=> s l9 not py > 2004
       4557025 PY > 2004
L10           0 L9 NOT PY > 2004

=> file reg
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                       ENTRY    SESSION
FULL ESTIMATED COST                                     5.48     368.29

FILE 'REGISTRY' ENTERED AT 11:55:24 ON 30 APR 2008
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STRUCTURE FILE UPDATES:   29 APR 2008  HIGHEST RN 1018438-06-6
DICTIONARY FILE UPDATES:  29 APR 2008  HIGHEST RN 1018438-06-6

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  Please note that search-term pricing does apply when
```

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REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

http://www.cas.org/support/stngen/stndoc/properties.html

=>
Uploading C:\Program Files\Stnexp\Queries\10510242-R2H-R4H.str

L11 STRUCTURE UPLOADED

=> d l11
L11 HAS NO ANSWERS
L11 STR

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

Structure attributes must be viewed using STN Express query preparation.

=> s l11
SAMPLE SEARCH INITIATED 11:55:48 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 12023 TO ITERATE

16.6% PROCESSED 2000 ITERATIONS 0 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 233890 TO 247030
PROJECTED ANSWERS: 0 TO 0

L12 0 SEA SSS SAM L11

=> s l11 full
FULL SEARCH INITIATED 11:55:52 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 242417 TO ITERATE

100.0% PROCESSED 242417 ITERATIONS 222 ANSWERS
SEARCH TIME: 00.00.02

L13 222 SEA SSS FUL L11

=> file caplus
COST IN U.S. DOLLARS SINCE FILE ENTRY 178.36 TOTAL SESSION 546.65
FULL ESTIMATED COST

FILE 'CAPLUS' ENTERED AT 11:56:06 ON 30 APR 2008
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FILE COVERS 1907 - 30 Apr 2008 VOL 148 ISS 18
FILE LAST UPDATED: 29 Apr 2008 (20080429/ED)

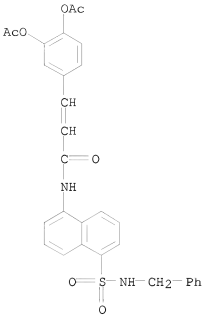

```
=> s l13
L14          15 L13

=> s l14 not PY > 2004
       4557025 PY > 2004
L15          11 L14 NOT PY > 2004

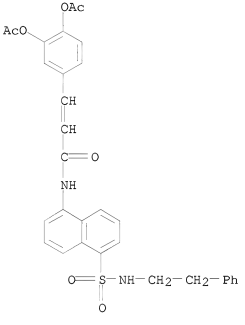
=> s l14 not PY > 2003
       5660884 PY > 2003
L16          10 L14 NOT PY > 2003

=> d l16 ibib abs hitstr 1-
YOU HAVE REQUESTED DATA FROM 10 ANSWERS - CONTINUE? Y/(N):y

L16  ANSWER 1 OF 10  CAPLUS  COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER:         2003:595157  CAPLUS
DOCUMENT NUMBER:          140:122070
TITLE:                    Caffeoyl naphthalenesulfonamide derivatives as HIV
                          integrase inhibitors
AUTHOR(S):                Xu, Yu-Wen; Zhao, Gui-Sen; Shin, Cha-Gyun; Zang,
                          Heng-Chang; Lee, Chong-Kyo; Lee, Yong Sup
CORPORATE SOURCE:         College of Pharmacy, Shandong University, Ji'nan,
                          Shandong Province, 250012, Peop. Rep. China
SOURCE:                   Bioorganic & Medicinal Chemistry (2003), 11(17),
                          3589-3593
                          CODEN: BMECEP; ISSN: 0968-0896
PUBLISHER:                Elsevier Science Ltd.
DOCUMENT TYPE:            Journal
LANGUAGE:                 English
OTHER SOURCE(S):          CASREACT 140:122070
AB   HIV-1 integrase (IN) is an essential enzyme for retroviral replication and
     a rational target for the design of anti-AIDS drugs.  In the present
     study, we have designed, synthesized and tested a series of caffeoyl
     naphthalenesulfonamide derivs. as HIV integrase inhibitors.  Among these
     compds., we found that HIV integrase inhibitory activities of some of
     compds. were more potent than l-chicoric acid (IC50=11.8 μg/mL) and
     others were comparable to l-chicoric acid.  Furthermore, the
     structure-activity relationships of these compds. were studied.  The
     information gathered from this paper will be useful in the development and
     design of HIV-1 integrase inhibitors in the future.
IT   648899-09-6P 648899-10-9P
     RL: DMA (Drug mechanism of action); PAC (Pharmacological activity); RCT
     (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL
     (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES
     (Uses)
        (preparation and structure-activity relationship of caffeoyl
        naphthalenesulfonamide derivs. as HIV integrase inhibitors)
RN   648899-09-6  CAPLUS
CN   2-Propenamide, 3-[3,4-bis(acetyloxy)phenyl]-N-[5-
     [[(phenylmethyl)amino]sulfonyl]-1-naphthalenyl]-  (CA INDEX NAME)
```

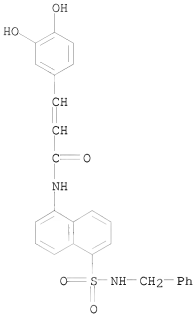


RN 648899-10-9 CAPLUS
CN 2-Propenamide, 3-[3,4-bis(acetyloxy)phenyl]-N-[5-[[(2-phenylethyl)amino]sulfonyl]-1-naphthalenyl]- (CA INDEX NAME)

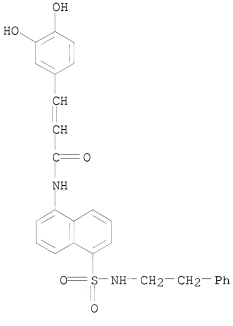


IT 648899-19-8P 648899-20-1P
RL: DMA (Drug mechanism of action); PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation and structure-activity relationship of caffeoyl naphthalenesulfonamide derivs. as HIV integrase inhibitors)
RN 648899-19-8 CAPLUS
CN 2-Propenamide, 3-(3,4-dihydroxyphenyl)-N-[5-[[(phenylmethyl)amino]sulfonyl

]-1-naphthalenyl]- (CA INDEX NAME)

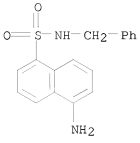


RN 648899-20-1 CAPLUS
CN 2-Propenamide, 3-(3,4-dihydroxyphenyl)-N-[5-[[(2-phenylethyl)amino]sulfonyl]-1-naphthalenyl]- (CA INDEX NAME)

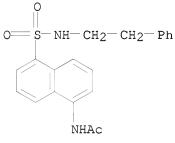


IT 147752-42-9P 491580-08-6P 648899-00-7P
    648899-28-9P
    RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
       (preparation and structure-activity relationship of caffeoyl naphthalenesulfonamide derivs. as HIV integrase inhibitors)
RN 147752-42-9 CAPLUS

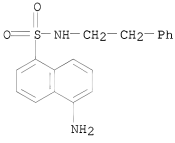
CN 1-Naphthalenesulfonamide, 5-amino-N-(phenylmethyl)- (CA INDEX NAME)



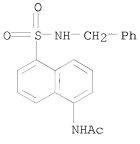
RN 491580-08-6 CAPLUS
CN Acetamide, N-[5-[[(2-phenylethyl)amino]sulfonyl]-1-naphthalenyl]- (CA INDEX NAME)



RN 648899-00-7 CAPLUS
CN 1-Naphthalenesulfonamide, 5-amino-N-(2-phenylethyl)- (CA INDEX NAME)



RN 648899-28-9 CAPLUS
CN Acetamide, N-[5-[[(phenylmethyl)amino]sulfonyl]-1-naphthalenyl]- (CA INDEX NAME)

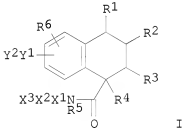


REFERENCE COUNT: 17 THERE ARE 17 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16 ANSWER 2 OF 10 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1999:384101 CAPLUS
DOCUMENT NUMBER: 131:44664
TITLE: Preparation of carbamoylnaphthalenes as thrombin inhibitors.
INVENTOR(S): Soyka, Rainer; Heckel, Armin; Lehmann-Lintz, Thorsten; Walter, Rainer; Wienen, Wolfgang; Stassen, Jean Marie
PATENT ASSIGNEE(S): Boehringer Ingelheim Pharma K.-G., Germany
SOURCE: Ger. Offen., 92 pp.
CODEN: GWXXBX
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 19754490	A1	19990610	DE 1997-19754490	19971209
WO 9929670	A2	19990617	WO 1998-EP7958	19981208
WO 9929670	A3	19990910		
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
AU 9918773	A	19990628	AU 1999-18773	19981208
PRIORITY APPLN. INFO.:			DE 1997-19754490 A	19971209
			WO 1998-EP7958 W	19981208

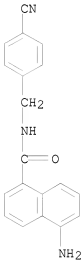
OTHER SOURCE(S): MARPAT 131:44664
GI



I

AB Title compds. [I; R1-R4 = H, or R1, R2 = H, R3R4 = double bond, or R1R2 and R3R4 = double bonds; R5 = H, alkyl; R6 = H, F, Cl, Br, alkyl; X1 = alkylene; X2 = phenylene, cycloalkylene, thienylene, oxazolylene, thiazolylene, imidazolylene, pyridinylene, pyrimidinylene, pyrazinylene, pyridazinylene; X3 = cyano, amino, 2-amino-1H-imidazol-4-yl, etc.; Y1 = O, RbN, RbNSO2, RbNCO, etc.; Rb = H, (substituted) alkyl, phenylalkyl, naphthylalkyl, aminocarbonyl, etc.; Y2 = alkyl, cycloalkyl, (substituted) aminocarbonylalkyl, Ph, naphthyl, pyrrolyl, thiazolyl, thienyl, pyridinyl, etc.], were prepared Thus, Et [2-[quinolin-8-sulfonyl-[5-(carbamidoylbenzylcarbamoyl)-3,4-dihydronaphthalen-2-yl]amino]acetylamino]acetate hydrochloride showed a thrombin time ED200 =

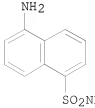
0.009 μM.
IT 227278-55-9P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of carbamoylnaphthalenes as thrombin inhibitors)
RN 227278-55-9 CAPLUS
CN 1-Naphthalenecarboxamide, 5-amino-N-[(4-cyanophenyl)methyl]- (CA INDEX NAME)



L16 ANSWER 3 OF 10 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1997:383542 CAPLUS
DOCUMENT NUMBER: 127:4936
TITLE: Preparation of 5-aminonaphthalene-1-sulfonamides
INVENTOR(S): Butenas, Saulius; Nedospasov, Andrej; Palaima, Algirdas; Staniulyte, Zita
PATENT ASSIGNEE(S): Biochemijos Institutas, Lithuania
SOURCE: Lith., 17 pp.
CODEN: LIXXFS
DOCUMENT TYPE: Patent
LANGUAGE: Lithuanian
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
LT 3911	B	19960425	LT 1993-1741	19931230
PRIORITY APPLN. INFO.:			LT 1993-1741	19931230

OTHER SOURCE(S): CASREACT 127:4936; MARPAT 127:4936
GI



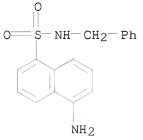
I

AB The title compds. [I; R1, R2 = H, C1-8 alkyl, CH2CH2OH, etc.; NR1R2 = piperidino, morpholino, hexamethyleneimino], were prepared by reaction of the 5-phthalimidonaphthalenesulfonyl chloride with the corresponding amines in the presence of Et3N in Me2CO followed by treatment of the resulting 5-phthalimidonaphthalenesulfonamides with N2H4.H2O in MeOH.

IT 147752-42-9P
RL: IMF (Industrial manufacture); SPN (Synthetic preparation); PREP (Preparation)
(preparation of 5-aminonaphthalene-1-sulfonamides)

RN 147752-42-9 CAPLUS

CN 1-Naphthalenesulfonamide, 5-amino-N-(phenylmethyl)- (CA INDEX NAME)



L16 ANSWER 4 OF 10 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1997:346887 CAPLUS

DOCUMENT NUMBER: 126:317661

TITLE: Preparation of 5-arginylaminonaphthalene-1-sulfonamide derivatives.

INVENTOR(S): Butenas, Saulius; Palaima, Algirdas; Nedospasov, Andrej; Jankauskas, Rimas

PATENT ASSIGNEE(S): Biochemijos Institutas, Lithuania

SOURCE: Lith., 24 pp.
CODEN: LIXXFS

DOCUMENT TYPE: Patent

LANGUAGE: Lithuanian

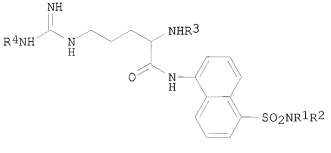
FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
LT 3910	B	19960425	LT 1993-1740	19931230

PRIORITY APPLN. INFO.: LT 1993-1740 19931230

GI



I

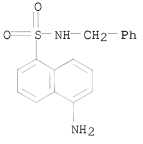
AB Title compds. (I; R1 = R2 = H, Me, Et, Pr, iso-Pr, Bu, iso-Bu, tert-Bu,

CH2Ph, C5H11, C8H17, cyclohexyl; NR1R2 = morpholino, piperidino, azepino; R3 = R4 = H) were prepared in yields of 64-79% without using DCC or benzyl bromide. I were prepared by the reaction of Boc-Arg(NO2)-OH with basic 5-aminonaphthalene-1-sulfonamides using pyridine and dioxane as solvents and di-tert-Bu pyrocarbonate as the condensing agent giving the intermediate I (R3 = Boc; R4 = NO2). The protecting groups were removed by using MeOH and HCl as solvents and Pd/C as catalyst.

IT 147752-42-9
RL: RCT (Reactant); RACT (Reactant or reagent)
(preparation of arginylaminonaphthalenesulfonamides)

RN 147752-42-9 CAPLUS

CN 1-Naphthalenesulfonamide, 5-amino-N-(phenylmethyl)- (CA INDEX NAME)

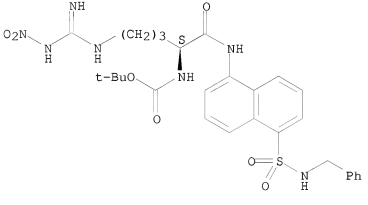


IT 160917-55-5P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of arginylaminonaphthalenesulfonamides)

RN 160917-55-5 CAPLUS

CN Carbamic acid, [4-[[imino(nitroamino)methyl]amino]-1-[[[5-[[(phenylmethyl)amino]sulfonyl]-1-naphthalenyl]amino]carbonyl]butyl]-, 1,1-dimethylethyl ester, (S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L16 ANSWER 5 OF 10 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1997:55845 CAPLUS

DOCUMENT NUMBER: 126:89157

TITLE: 5-Aminonaphthalene-1-sulfonamides as fluorescence-detectable substrate groups for peptidase analysis

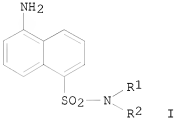
INVENTOR(S): Palajma, A. I.; Butenas, S. Yu; Talajkite, Z. A.; Nedospasov, A. A.

PATENT ASSIGNEE(S): Institut Biokhimii Litovskoj AN, USSR

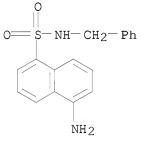
SOURCE: U.S.S.R. From: Izobreteniya 1996, (4), 266.
CODEN: URXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Russian
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
SU 1646258	A3	19960210	SU 1989-4667842	19890208

PRIORITY APPLN. INFO.: SU 1989-4667842 19890208
GI



AB Title compds. I [R1 = H, R2 = Me, Et, Pr, iso-Pr, iso-Bu, tert-Bu, pentyl, benzyl, cyclohexyl, CH2CH2OH, CH2CH2OMe, CH2CH2OEt; R1 = R2 = Et, Pr; or R1R2 = (CH2)6] serve as detectable substrate groups for fluorescence anal. of peptidase.
IT 147752-42-9, 5-Amino-N-benzyl-1-naphthalenesulfonamide
RL: ARG (Analytical reagent use); RCT (Reactant); ANST (Analytical study); RACT (Reactant or reagent); USES (Uses)
(aminonaphthalenesulfonamides as fluorescence-detectable substrate groups for peptidase anal.)
RN 147752-42-9 CAPLUS
CN 1-Naphthalenesulfonamide, 5-amino-N-(phenylmethyl)- (CA INDEX NAME)

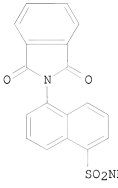


L16 ANSWER 6 OF 10 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1996:323169 CAPLUS
DOCUMENT NUMBER: 125:10613
TITLE: N-Substituted 5-phthalimidonaphthalene-1-sulfonamides as intermediates for preparation of N-substituted aminonaphthalenesulfonamides
INVENTOR(S): Nedospasov, A. A.; Palajma, A. I.; Butenas, S. Yu.; Baranauskas, G. Yu.
PATENT ASSIGNEE(S): Institut Biokhimii Litovskoj An, USSR
SOURCE: U.S.S.R. From: Izobreteniya 1995, (28), 271.
CODEN: URXXAF

DOCUMENT TYPE: Patent
LANGUAGE: Russian
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
SU 1706174	A3	19951010	SU 1989-4648605	19890208

PRIORITY APPLN. INFO.: SU 1989-4648605 19890208
GI



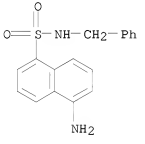
I

AB Title compds. I [R1 = H, R2 = Me, Et, Bu, pentyl, octyl, cyclohexyl, 4-pyridinyl, CH2Ph; or NR1R2 = morpholino, NMe2, NEt2, NPr2, NBu2, piperidino] are disclosed as intermediates for preparation of N-substituted aminonaphthalenesulfonamides.

IT 147752-42-9P, N-Benzyl-5-aminonaphthalene-1-sulfonamide
RL: IMF (Industrial manufacture); SPN (Synthetic preparation); PREP (Preparation)
(preparation of phthalimidonaphthalenesulfonamides as intermediates for aminonaphthalenesulfonamides)

RN 147752-42-9 CAPLUS

CN 1-Naphthalenesulfonamide, 5-amino-N-(phenylmethyl)- (CA INDEX NAME)

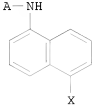


L16 ANSWER 7 OF 10 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1995:996548 CAPLUS
DOCUMENT NUMBER: 124:146844
TITLE: 1-(L-Arginylamino)naphthalene-5-sulfonamide derivatives as intermediates for preparation of 1-(aminoacylamino)naphthalene-5-sulfonamides, useful as fluorescent reagents for enzyme assay of amidases
INVENTOR(S): Nedospasov, A. A.; Nezavibatko, V. N.; Potaman, V. N.; Rodina, E. V.

PATENT ASSIGNEE(S): Institut Molekulyarnoj Genetiki RAN, USSR
SOURCE: U.S.S.R. From: Izobreteniya 1995, (14), 243-4.
CODEN: URXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Russian
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
SU 1822563	A3	19950520	SU 1986-4019225	19860210
PRIORITY APPLN. INFO.:			SU 1986-4019225	19860210

GI



I

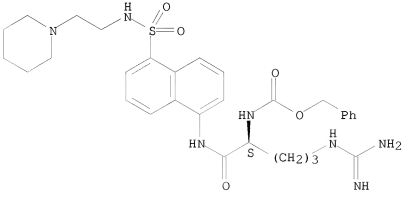
AB Arginylaminonaphthalenesulfonamides I [A = Cbz-Arg-, H-Arg-; X = SO2Z where Z = piperidino, morpholino, or Bu; or X = SO2NHCH2CH2Z where Z = piperidino] are useful as intermediates for preparation of (aminoacylamino)naphthalenesulfonamides I [A = Tos-Gly-Pro-Arg-; X = as above]. The latter are useful as fluorescent reagents for anal. of enzymes showing amidase activity.

IT 121722-35-8P 121722-38-1P
RL: IMF (Industrial manufacture); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(intermediate; arginylaminonaphthalenesulfonamide derivs. as intermediates for fluorescent reagents for amidase assay)

RN 121722-35-8 CAPLUS

CN Carbamic acid, [4-[(aminoiminomethyl)amino]-1-[[[5-[[[2-(1-piperidinyl)ethyl]amino]sulfonyl]-1-naphthalenyl]amino]carbonyl]butyl]-, phenylmethyl ester, (S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

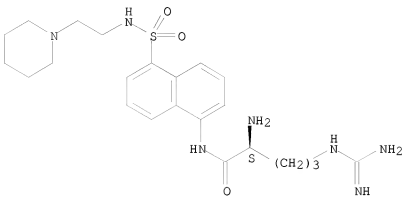


RN 121722-38-1 CAPLUS

CN Pentanamide, 2-amino-5-[(aminoiminomethyl)amino]-N-[5-[[[2-(1-piperidinyl)ethyl]amino]sulfonyl]-1-naphthalenyl]-, (S)- (9CI) (CA INDEX

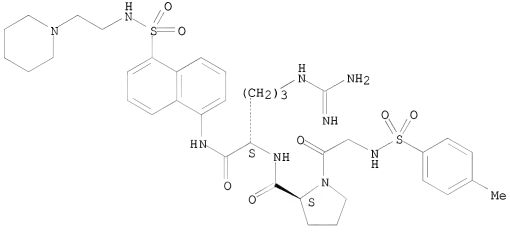
NAME)

Absolute stereochemistry.



IT 121722-25-6P
RL: ARG (Analytical reagent use); IMF (Industrial manufacture); SPN (Synthetic preparation); ANST (Analytical study); PREP (Preparation); USES (Uses)
(reagent; arginylaminonaphthalenesulfonamide derivs. as intermediates for fluorescent reagents for amidase assay)
RN 121722-25-6 CAPLUS
CN L-Argininamide, N-[(4-methylphenyl)sulfonyl]glycyl-L-prolyl-N-[5-[[[2-(1-piperidinyl)ethyl]amino]sulfonyl]-1-naphthalenyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

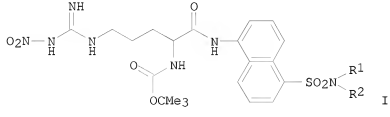


L16 ANSWER 8 OF 10 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1995:354370 CAPLUS
DOCUMENT NUMBER: 122:133843
TITLE: 5-[(Nω-Nitro-Nα-tert-butyloxycarbonyl)arginylamino]naphthalene-1-sulfamides as intermediates for the preparation of 5-arginylamino-1-naphthalenesulfamides
INVENTOR(S): Butenas, Saulyus Yu.; Palajma, Algirdas I.; Nedospasov, Andrej A.
PATENT ASSIGNEE(S): Institut Biokhimii AN Litvy, USSR; Institut Molekulyarnoj Genetiki AN SSSR
SOURCE: U.S.S.R. From: Izobreteniya 1993, (13), 217.

CODEN: URXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Russian
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
SU 1807986	A3	19930407	SU 1990-4854377	19900720

PRIORITY APPLN. INFO.: SU 1990-4854377 19900720
GI



I

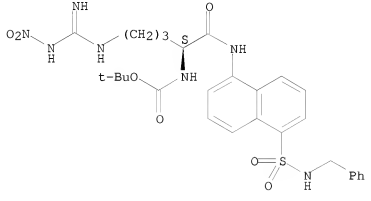
AB Title compds. I [R1 = H, R2 = Me, Et, Bu, iso-Bu, tert-Bu, pentyl, octyl, cyclohexyl, CH2Ph; or NR1R2 = NMe2, NEt2, NPr2, NBu2, morpholino, piperidino, azepino, N(Bu-iso)2] serve as intermediates for preparation of 5-arginylamino-1-naphthalenesulfamides.

IT 160917-55-5P
RL: IMF (Industrial manufacture); SPN (Synthetic preparation); PREP (Preparation)
(nitro(tert-butoxycarbonyl)arginylaminonaphthalenesulfamides as intermediates for preparation of arginylaminonaphthalenesulfamides)

RN 160917-55-5 CAPLUS

CN Carbamic acid, [4-[[imino(nitroamino)methyl]amino]-1-[[[5-[[(phenylmethyl)amino]sulfonyl]-1-naphthalenyl]amino]carbonyl]butyl]-, 1,1-dimethylethyl ester, (S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



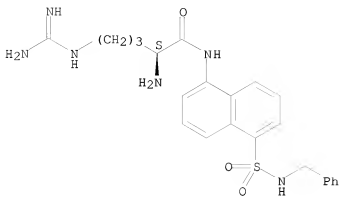
IT 160917-65-7P
RL: PNU (Preparation, unclassified); PREP (Preparation)
(nitro(tert-butoxycarbonyl)arginylaminonaphthalenesulfamides as intermediates for preparation of arginylaminonaphthalenesulfamides)

RN 160917-65-7 CAPLUS

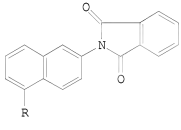
CN Pentanamide, 2-amino-5-[(aminoiminomethyl)amino]-N-[5-[[(phenylmethyl)amino]sulfonyl]-1-naphthalenyl]-, (S)- (9CI) (CA INDEX

NAME)

Absolute stereochemistry.



L16 ANSWER 9 OF 10 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1993:516913 CAPLUS
DOCUMENT NUMBER: 119:116913
TITLE: Synthesis of substituted 6-aminonaphthalene-1-sulfamides
AUTHOR(S): Palaima, A.; Butenas, S.; Talaikyte, Z.
CORPORATE SOURCE: Inst. Biokhim., Lithuania
SOURCE: Chemija (1991), (3), 144-53
CODEN: CHMJES; ISSN: 0235-7216
DOCUMENT TYPE: Journal
LANGUAGE: Russian
OTHER SOURCE(S): CASREACT 119:116913
GI



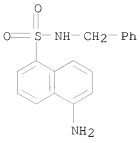
I

AB Treating the amine group in 6-H2NC10H6SO3H or its Na or ammonium salts with phthalic anhydride in refluxing pyridine afforded directly the pyridinium salt of phthalimide derivative I (R = SO3-.HNC5H5+) in 63, 54, and 46% yields, resp. Subsequent reaction with PCl5 afforded I (R = SO2Cl), which upon reaction with amines afforded sulfamides I (R = SO2NR1R2; R1 = e.g., H, alkyl; R2 = alkyl; NR1R2 = e.g., morpholino). Deprotection was carried out by hydrazinolysis in MeOH, to afford 6-H2NC10H6SO2NR1R2 (II). The fluorescence of II suggested these compds. may be applied as fluorogenic groups for peptide substrates.

IT 147752-42-9
RL: PRP (Properties)
(UV and fluorescence of)

RN 147752-42-9 CAPLUS

CN 1-Naphthalenesulfonamide, 5-amino-N-(phenylmethyl)- (CA INDEX NAME)



L16 ANSWER 10 OF 10 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1989:453023 CAPLUS
DOCUMENT NUMBER: 111:53023
ORIGINAL REFERENCE NO.: 111:8933a,8936a
TITLE: Screening of artificial substrates for proteinases
AUTHOR(S): Nedospasov, A. A.; Potaman, V. N.; Rodina, E. V.
CORPORATE SOURCE: Inst. Mol. Gen., Moscow, USSR
SOURCE: Bioorganicheskaya Khimiya (1989), 15(4), 444-52
CODEN: BIKHD7; ISSN: 0132-3423
DOCUMENT TYPE: Journal
LANGUAGE: Russian

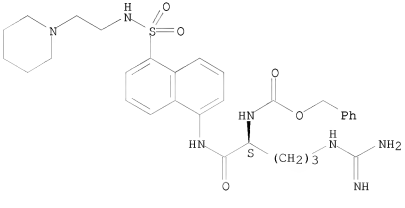
AB A method of screening of proteinase substrates is proposed. An equimolar mixture of substrates consisting of peptide and easily detectable chromophore moieties (all chromophores in the mixture must be different) is subjected to enzymic treatment. The cleaved chromophore groups, which are products of the substrate proteolysis, are quant. determined by chromatog. The kcat/Km ratio is greater for substrates with higher initial rate accumulation of proteolysis products. The method is illustrated by screening of peptide derivs. of aminonaphthalene sulfonamides for trypsin assay. Proteolysis products are determined by HPLC with absorption detection or by TLC with fluorescence detection.

IT 121722-35-8P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and deprotection of)

RN 121722-35-8 CAPLUS

CN Carbamic acid, [4-[(aminoiminomethyl)amino]-1-[[[5-[[[2-(1-piperidinyl)ethyl]amino]sulfonyl]-1-naphthalenyl]amino]carbonyl]butyl]-, phenylmethyl ester, (S)- (9CI) (CA INDEX NAME)

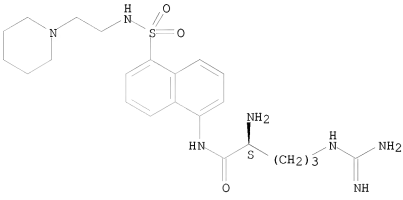
Absolute stereochemistry.



IT 121722-38-1P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT

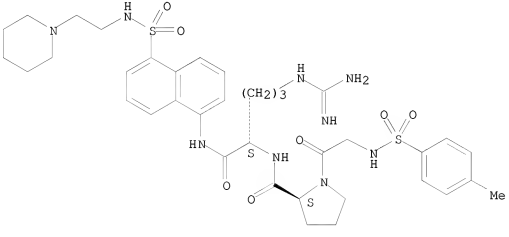
(Reactant or reagent)
(preparation and reaction with tosylglycylproline)
RN 121722-38-1 CAPLUS
CN Pentanamide, 2-amino-5-[(aminoiminomethyl)amino]-N-[5-[[[2-(1-piperidinyl)ethyl]amino]sulfonyl]-1-naphthalenyl]-, (S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

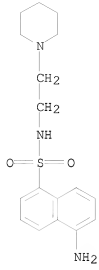


IT 121722-25-6P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation and screening as proteinase substrates, chromophore group in relation to)
RN 121722-25-6 CAPLUS
CN L-Argininamide, N-[(4-methylphenyl)sulfonyl]glycyl-L-prolyl-N-[5-[[[2-(1-piperidinyl)ethyl]amino]sulfonyl]-1-naphthalenyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



IT 121722-29-0
RL: RCT (Reactant); RACT (Reactant or reagent)
(reaction of, with benzyloxycarbonylarginine)
RN 121722-29-0 CAPLUS
CN 1-Naphthalenesulfonamide, 5-amino-N-[2-(1-piperidinyl)ethyl]-, hydrobromide (9CI) (CA INDEX NAME)

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=> file reg
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                       ENTRY    SESSION
FULL ESTIMATED COST                                    60.66     607.31

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)          SINCE FILE      TOTAL
                                                       ENTRY    SESSION
CA SUBSCRIBER PRICE                                    -8.00      -8.00

FILE 'REGISTRY' ENTERED AT 11:58:30 ON 30 APR 2008
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Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES:   29 APR 2008  HIGHEST RN 1018438-06-6
DICTIONARY FILE UPDATES:  29 APR 2008  HIGHEST RN 1018438-06-6

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH January 9, 2008.

  Please note that search-term pricing does apply when
  conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document.  For information
on property searching in REGISTRY, refer to:

http://www.cas.org/support/stngen/stndoc/properties.html

=>
Uploading C:\Program Files\Stnexp\Queries\10510242-R2H-R3H.str

L17     STRUCTURE UPLOADED

=> s l17 full
```

```
FULL SEARCH INITIATED 12:00:54 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -   242417 TO ITERATE

100.0% PROCESSED   242417 ITERATIONS                          38 ANSWERS
SEARCH TIME: 00.00.02

L18          38 SEA SSS FUL L17

=> file caplus
COST IN U.S. DOLLARS                          SINCE FILE      TOTAL
                                                 ENTRY    SESSION
FULL ESTIMATED COST                              179.74     787.05

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)    SINCE FILE      TOTAL
                                                 ENTRY    SESSION
CA SUBSCRIBER PRICE                                0.00      -8.00

FILE 'CAPLUS' ENTERED AT 12:01:01 ON 30 APR 2008
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FILE COVERS 1907 - 30 Apr 2008  VOL 148 ISS 18
FILE LAST UPDATED: 29 Apr 2008  (20080429/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply.
They are available for your review at:

http://www.cas.org/infopolicy.html

=> s l18
L19          1 L18

=> s l18 not py > 2004
             1 L18
       4557025 PY > 2004
L20          0 L18 NOT PY > 2004
```